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Afanasiy Filippovich; PELEVINA, Irina Osipovna; SHUGAN, Viktor
Ustinovich, kand. ekon. nauk, dots., red.; BILENKO, L.S., red.

12d-va; SOTNIKOVA, N.F., tekhn. red.

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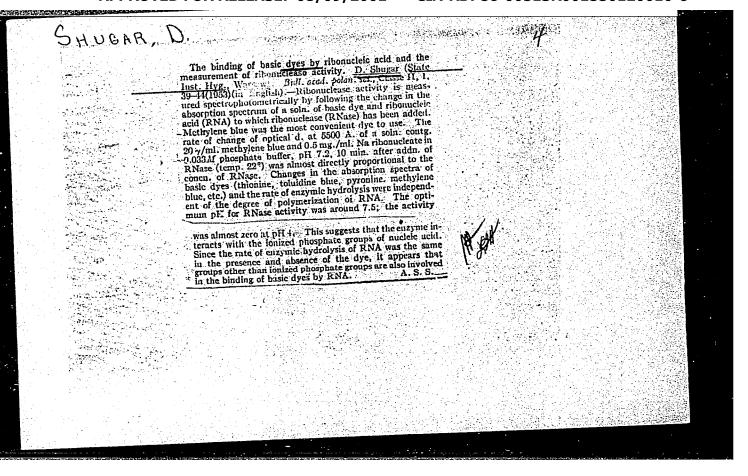
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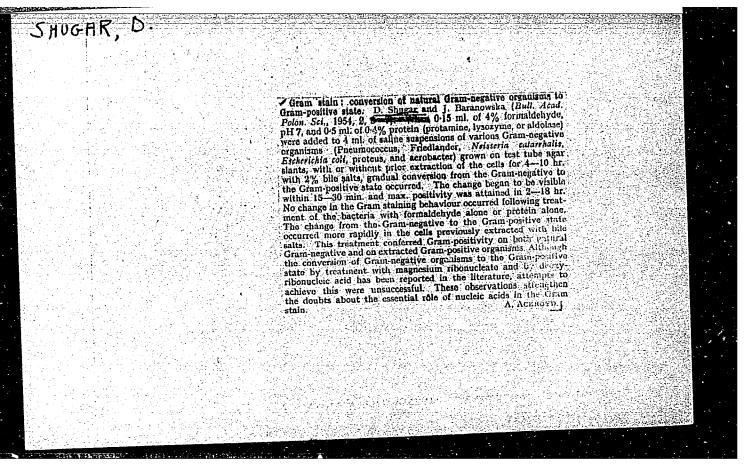
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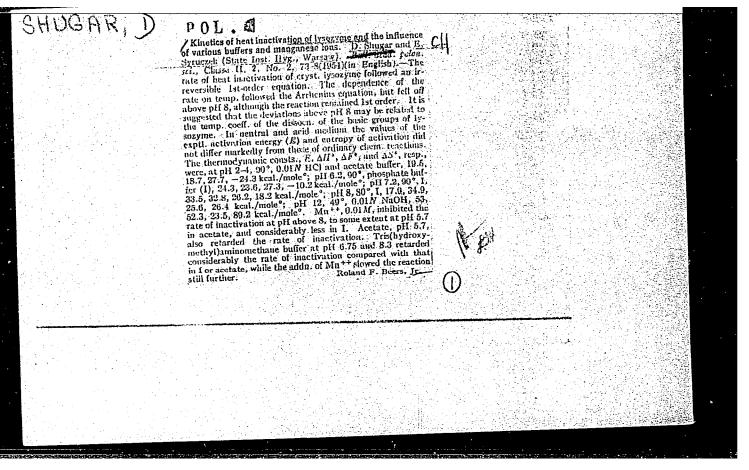
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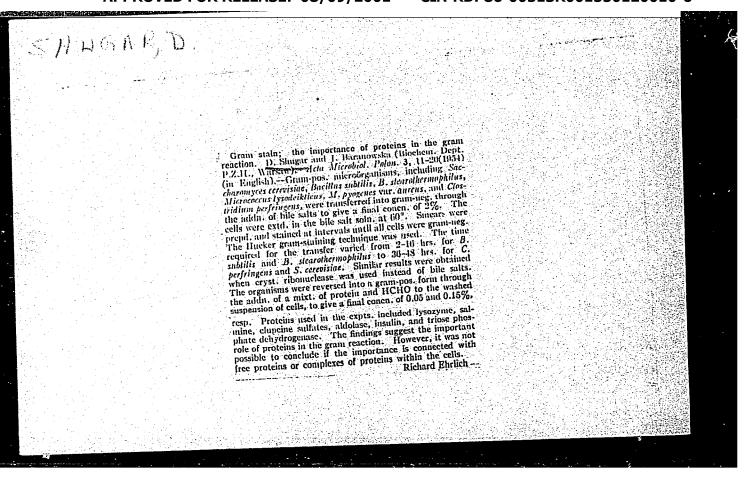
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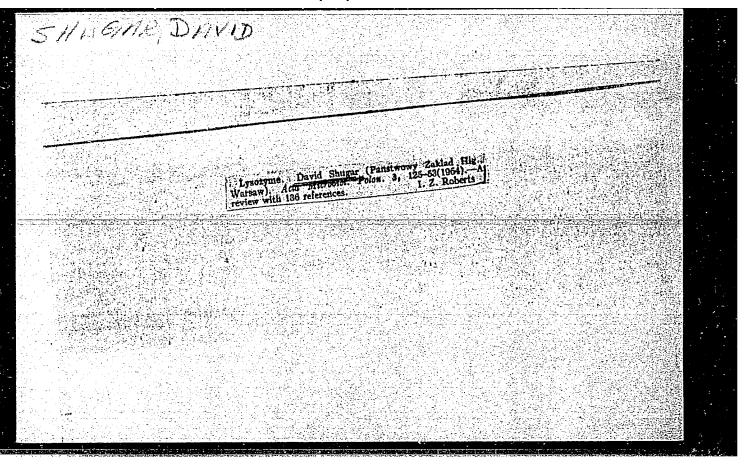


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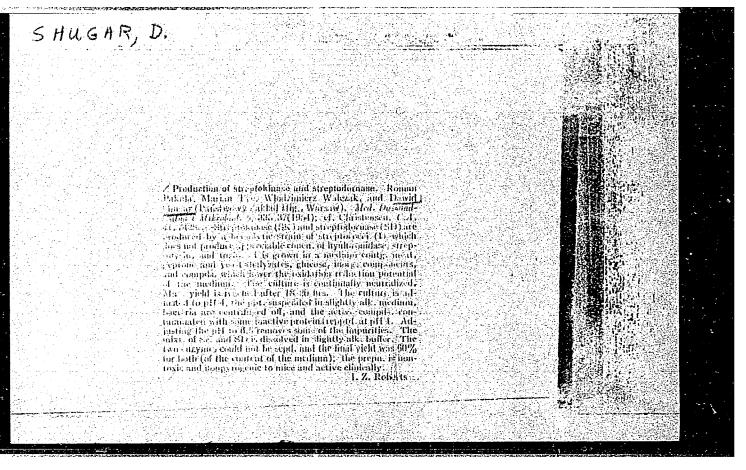
(ULTRAVIOLET RAYS, effects, on ribonclease)

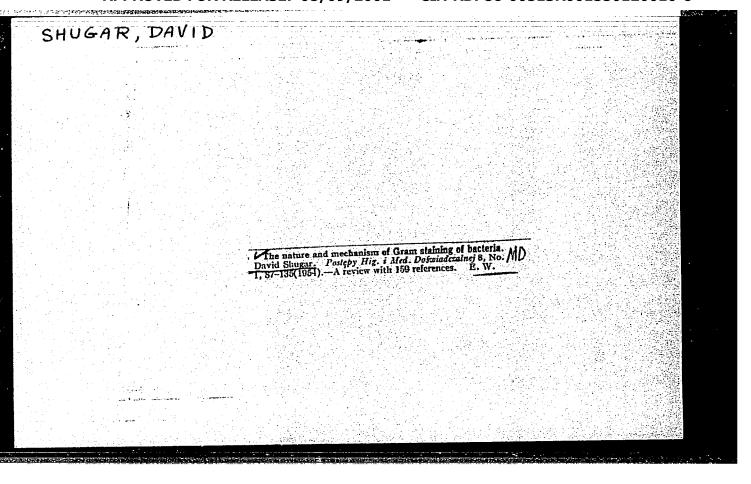
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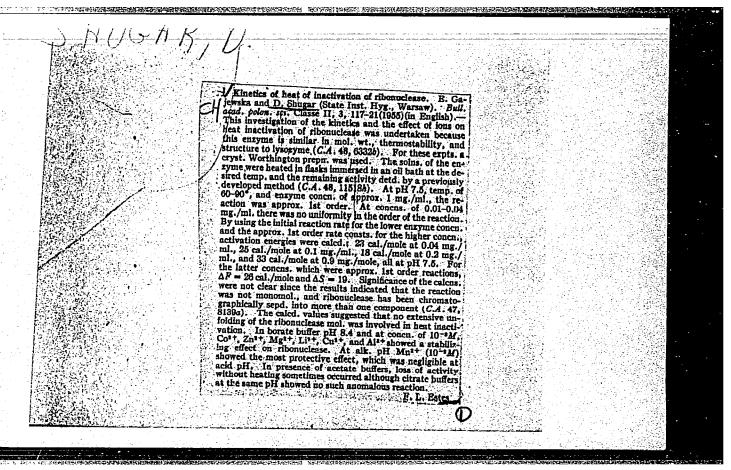
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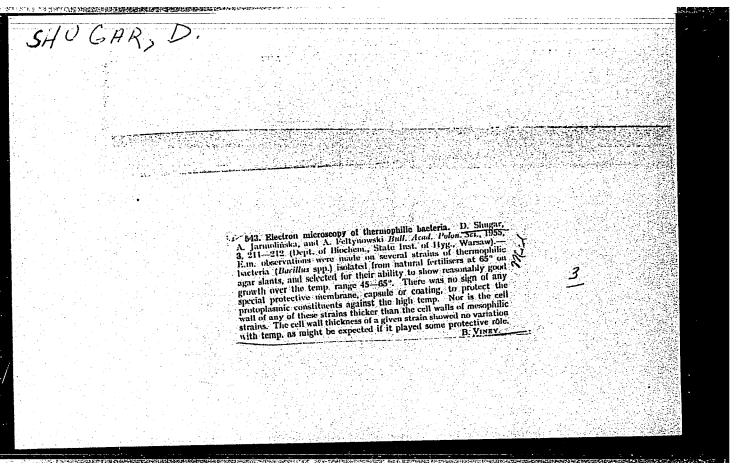
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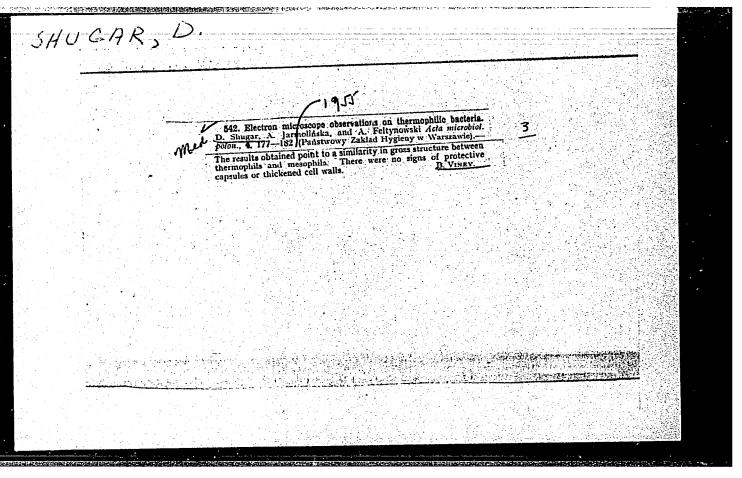
ribonuclease, inactivation with heat)
(HEAT, effects,
on ribonuclease, incactivation)

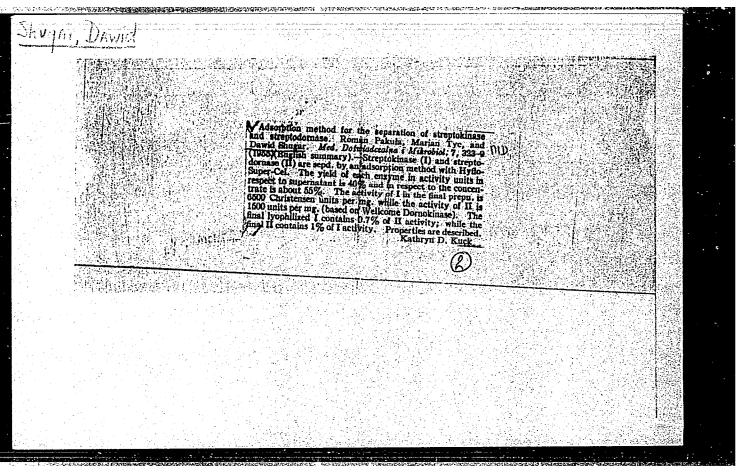


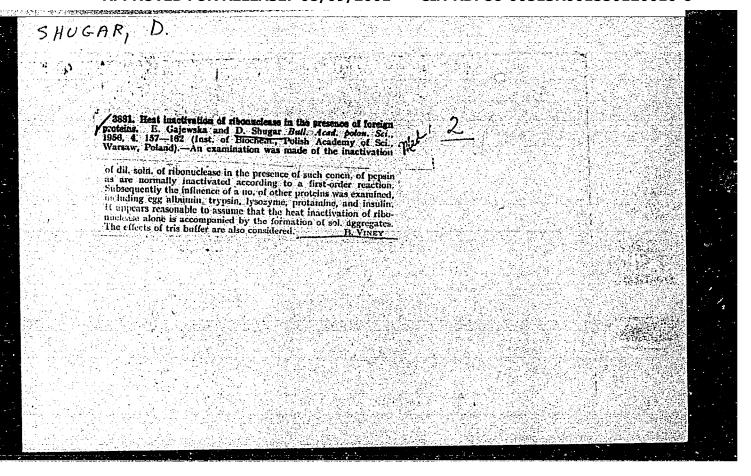


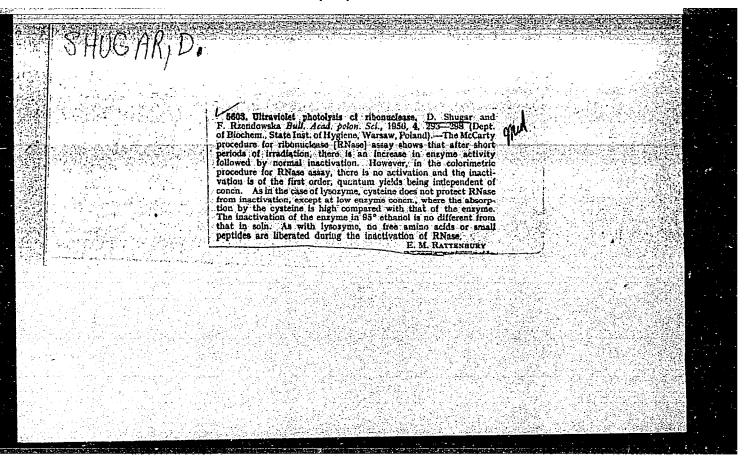












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hydrolysis, deamination of purines in (Pol))
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Title Gram Staining

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(STAINS & STAINING

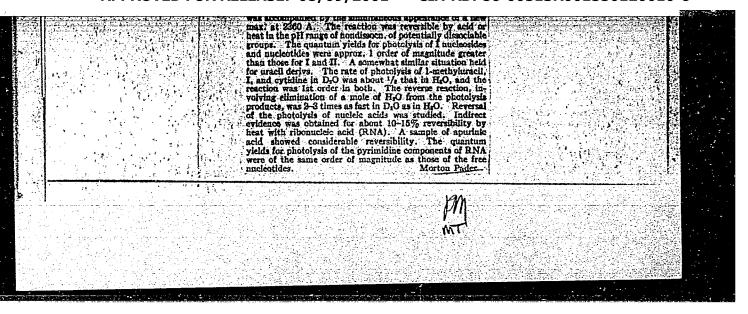
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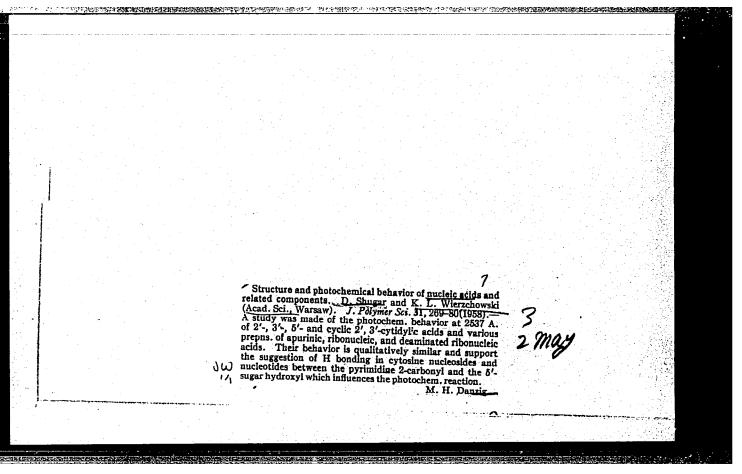
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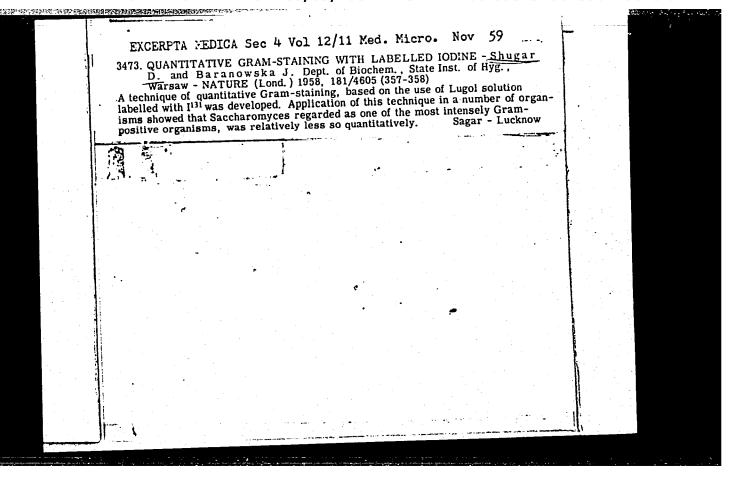
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(BACTERIOPHAGE)
(LIGHT)

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(BACTERIA radiation eff)

SIERAROWSKA, HAIIHA; District, D.	
Gross histochemical localization of tissue nuclea	se enzymes. Acta
14-14 2 no 1-127-136 161	

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(PYRIMIDINES chem)

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SHER, V.	; SHUGAR, D.				
	of some pyri	l enzymatic propertion inidine nucleosides.	Bloknimila 20 no.	(MIRA 14:12	
	1. Institute	of Biochemistry and	l'Biophysics, Acade	emy of Sciences,	
	Warsaw.	(NUCLEOSIDES)	(PHOSPHATES)		

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(SULFHYDRYL COMPOUNDS - pharmacology) (THIOUREA - pharmacology)

(CYSTEINE - pharmacology)

SZEMPLINSKA, Halina; SIERAKOWSKA, Halina; SHUGAR, D.

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(HYALURONIDASE - chemistry) (AMYLASES - chemistry)

(HISTOLOGICAL TECHNIQUES)

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(RADIATION EFFECTS - experimental) (REGENERATION - experimental) (STARVATION - experimental) (LIVER - radiation effects)

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TRAMER,	Zofia; SHUGAR, D.	
	Deuteron and j'-irradiation of dried preparations of lysozyme and ribonuclease. Acta biochim. polon. 9 no.3:281-293 !62.	
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ZMUDZKA, Barbara; SZER, W.; SHUGAR, D.

SOUTH STREET, CALL LAND CONTRACTOR OF THE STREET, STRE

Preparation and chemical and enzymic properties of phosphate esters of $1-(\beta-D-glucopyranosyl)$ uracil and -thymine. Acta biochim. pol. 9 no.4:321-341 '62.

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(URACIL NUCLEOTIDES) (NUCLEOTIDES) (VENOMS)

(RIBONUCLEASE) (PHOSPHOTRANSFER

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(DNA, BACTERIAL) (STREPTOCOCCUS)

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Preparation and chemical and enzymic properties of cyclic phosphates of D-gluc pyranose and synthesis of derivatives of N-(D-glucopyranosyl) pyridine. Acta biochim. Pol. 11 no.4:509-525 164.

1. Department of Biochemistry, the Institute of Hygiene and Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warszawa.

SIERAKOWSKA, Halina; EDSTROM, J.-E.; SHUGAR, D.

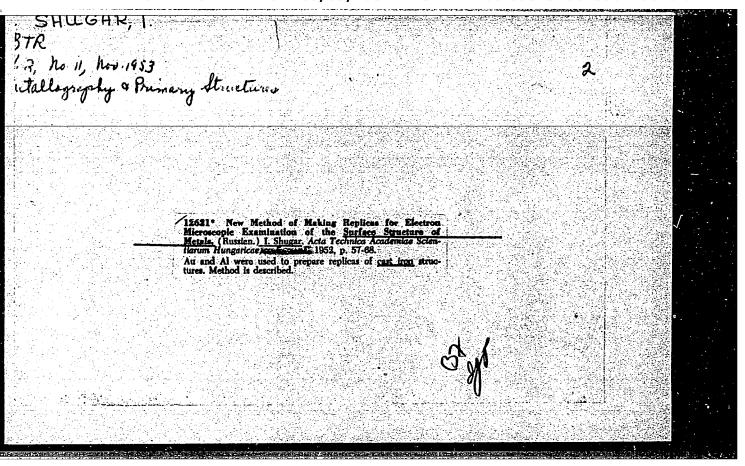
Intracellular localization of nuclease enzymes by a microdissection-microelectrophoretic technique. Acta biochim. Pol. 11 no.4:497-507 '64.

1. Institute of Biochesmitry and Biophysics, Polis Academy of Sciences, Warszawa, and Department of Histology, University of Göteborg, Sweden.

JAMICH, Celina; SHIGHT, D.

Nutagenicity of hydroxylamine: reaction with enalogues of cytosine, 5(6)-substituted cytosines and some 2-keto-4-ethoxypyrimidines. Acta biochim. Pol. 12 no.4:337-355 165.

1. Department of Biophysics, Institute of Biochemistry and Biophysics, Polish Academy of Sciences; and Department of Biochemistry, State Institute of Hygiene, Warszawa.



DEN'YANIKOV, I.G.; SHUGAR, I.V.; GUSEV, V.N.

Quantitative determination of elements by means of a short-wave X-ray spectrometer with a monitor. Zav.lab. 27 no.9:1104-1106 (MIRA 14:9)

1. Institut metallurgii i obogashcheniya Akademii nauk KazSSR. (Spectrometry)

SHUGAR, I.V.

AID Nr. 977-6 27 May

ENERGY DISTRIBUTION OF SCATTERED NEUTRONS IN WATER (USSR)

Dulin, V. A., Yu. A. Kazanskiy, and I. V. Shugar. Atomnaya energiya, v. 14, no. 4, Apr 1963, 404-405. S/089/63/014/004/011/019

The neutron spectra in water from an ~15 Mev neutron source have been measured at distances of 20 to 90 cm from the source, which was an $H^3(H^2, n)He^{\frac{1}{2}}$ reaction with deuteron energy of 400 Kev. A single-crystal fast-neutron scintillation spectrometer with Y-ray discrimination was used as a detector. The results obtained are presented in the form of histograms which can be used for determining the relaxation length for a group of neutrons with energy of 14 to 16 Mev. At distances of 30 to 60 and 60 to 90 cm, the relaxation length was found to be 15.0 \pm 0.8 and 14.7 \pm 0.9 cm, respectively, which is in good agreement with the results obtained previously with a Cu⁶³ (n, 2n)Cu⁶² indicator by B. I. Sinitsyn,

Card 1/1

DULIN, V.A.; KAZANSKIY, Yu.A.; SHUGAR, I.V.

Energy distribution of scattered neutrons in water. Atom. energ.
14 no.4:404-405 Ap '63.

(Neutrons—Spectra)

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L 10288-63 FWT(m)/EPF(n)-2/BDS-AFFTC/ASD/AFWL/SSD==Pu-L

ACCESSION NR: AP3001181

5/0089/63/014/005/0488/0490

63

AUTHOR: Dulin, V. A.; Kazanskiy, Yu. A.; Shugar, I. V.

60

TITLE: Angular energy distribution of neutrons at the boundary of two

media

SOURCE: Atomnaya energiya, v. 14, no. 5, 1963, 488-490

TOPIC TAGS: neutron scattering, neutron-energy distribution

ABSTRACT: Measurements were made of the spectra of scattered neutrons emerging at various angles at a boundary of water and a plane graphite layer. A fast neutron source with a mean energy of 3.9 Mev was placed at a 20-cm distance from the boundary. An H sup 2 (H sup 2, n)He sup 3 reaction with a deuteron energy of 900 Kev served as the neutron source. The neutron emission at the required angle was effected by means of a conical collimator with an angular resolution of about 5°. The neutrons were recorded with a singlé-crystal Gamma-discriminated scintillation spectrometer. The pulse amplitude distribution was recorded by means of an AI-100 analyzer. For each scattering angle the amplitude distribution was converted to the

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ACCESSION NR: AP3001181

neutron energy spectrum by means of a numerical matrix and by a differentiation method. The difference between the two results did not exceed 20% even in the energy range from 1.3 to 2.0 Mev. The neutron energy spectrum obtained at the graphite-water boundary is shown in the Fig. 1 of Enclosure. The results obtained by integration of angular energy distribution in the range from 0 to 180° are also plotted. The difference between the shape of measured and calculated spectra is due to the difference in geometry. "The authors are thankful to S. G. Tsypin for his valuable observations and to N. D. Proskurnina and V. G. Dvukhsherstnov for their help in the work."

Orig. art. has: 4 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 14Aug62

DATE AOQ: 21Jun63

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SUB CODE: 00

NO REF SOV: 003

OTHER: 001

Card 2/32

L 24216-65 EWT(m)/EWA(h) DM

ACCESSION NR: AP5001271 \ \S/0089/64/017/006/0486/0492

AUTHOR: Dulin, V. A.; Dvukhsherstnov, V. G.; Kazanskiy, Yu. A.; Shugar, I. V.

TITLE: Angular and energy distribution of neutrons at the boundary of two media

SOURCE: Atomnaya energiya, v. 17, no. 6, 1964, 486-492

TOPIC TAGS: angular neutron distribution, neutron energy distribution, fast neutron, boundary problem

ABSTRACT: The authors measured the angular and energy distribution of fast neutrons of 0.4 to 3.4 Mev for water, graphite, aluminum, iron, nickel, and lead, at the boundary: medium-water, after the passage of a thickness equal from 1.5 to 4.6 of the mean free path. The neutron source was the reaction D(D,n)He³. The measurements were made with a single crystal scintillation spectrometer for fast neutrons with a 7-rays discrimination. The comparison of experimental values for the angular distribution with the computation for a single scattering shows that multi scattering plays an important part. The comparison of experi-

Card 1/2

SHUGAR, Yu.A.

Effect of magnesium on the distribution of sugars in plants. Fiziol.rast. 3 no.1:32-35 Ja-F '56. (MLRA 9:5)

1. Nauchnyy institut po udobreniyam i insektofungisidam (NIUIF), Moskva.

(Plants, Effect of magnesium on) (Botany--Physiology)

SHUGAR, A.I., dotsent, kand.fiziko-matemat.nauk; ROMANOVA, L.V.; SHUGAR, Yu.A.

Spectrum analysis of powders in condensed spark based on the method of two standard additions. Izv. TSKhA no.3:201-202 (MIRA 12:10)

(Spectrum analysis)

SHUGAR, A.I., kand.fiziko-matematicheskikh nauk, dotsent; SHUGAR, Yu.A., starshiy nauchnyy sotrudnik

Photocalorimetric analysis of elements by using the method of calculating by the coefficient and adding interfering ions.

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MIROSHNIK, I.A.; SHUGAREV, V.V.

Two-channel pulse generator. Prib.i tekh.eksp. 7 no.1:108 Ja-F

(Oscillators, Electron-tube)

(MIRA 15:3)

(Physics)

SHUGAROV, A.I., prof.; SHKOL'NIKOV, A.B., red.; MAKHOVA, N.M., tekhn. red.; PEVZNER, V.I., tekhn. red.

[Physics] Fizika. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 419 p. (MIRA 15:3)

MAGNITSKIY, Konstantin Pavlovich, doktor sel'skokhozyaystvennykh nauk; SHUGAROV, Yu.A., starshiy nauchnyy sotrud.; MAIKOV,V.K., nauchnyy sotrud.; prinimali uchastiye: ZUYEVA,N.P., nauchnyy sotrud.; GOSUDAREVA,A.G., laborant; FEDORENKO,M.G., laborant; KAVUN,P.K., red.; BACHURINA,A.M., tekhn.red.; PROKOF'YEVA,L.N., tekhn.red.

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(Soils--Analysis) (Botanical research)

SHUGAROVA, Z.I.

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Case of severe fibrinous tracheobronchitis in a patient with otogenic sepsis and meningitis requiring emergency trachectomy. Vest. otorin. 22 no.6:94-95 *60. (MIRA 14:1)

1. Iz otorinolarignologicheskoy kliniki (zav. - prof. I.G. Kozlova) Ryazanskogo meditsinskogo instituta.
(TRACHEA--DISEASES) (EAR--DISEASES) (BRONCHITIS)
(MENINGITIS)

GAVRILOV, F.I., karni, tekhn, mauk; SHUGAYENKO, V.V., inzh.

Selecting an efficient shape of cutter nozzle for cutting steel. Syar. proizv. 12:38-39 D '63. (MIRA 18:9)

1. Saratovskiy politekhnitheskiy institut.

Shadara, b.t., storedly prepodavatel.

Statistical processing of the results of testing losss for engging characteristics. Vop. geotekh. nc.2:2-10 161. (MRA 18:7)

GAVRILOV, P.I., kand. tekhn.nauk; SHUGAYENKO, V.V., inzh.

Effect of cutting on the structure and properties of steel when using natural gas in the heating flame. Svar. proizv. no.10:28-29 0 '65. (MIRA 18:10)

1. Saratovskiy polltekhnicheskiy institut.

PANIN, N.S., inzh.; SHUGAYENKO, V.V., inzh.

Universal adjustable boring chuck equipped with steppqd cutters. Energomashinostroenie 4 no.9:42-43 S '58.

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(Drilling and Boring machinery)

BEKKER, Ya.Sh.; SHUGAYEV, A.P.

Automatic thread-rolling machine. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.7:37-38 Jl 164.

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SHUGAYEV, A

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HUCAEV, A. Ya.

Hydroinsulating material. Ya. M. Novikov, E. Z. Yudovich, and A. Ya. Shugaev. U.S.S.R. 67,220, Oct. 31, 19h6. For water-proofing (foundations, walls, etc.) is used a thin Al sheet coated on both sides with a bituminous compn. In order to impart to the Al sheet the required pliability, the sheet is heat-treated for 2-6 hrs. at 350-h00° followed by slow cooling; finally the Al sheet is drawn through the bituminous compn. at 180° and then cooled slowly.

H. Hoseh